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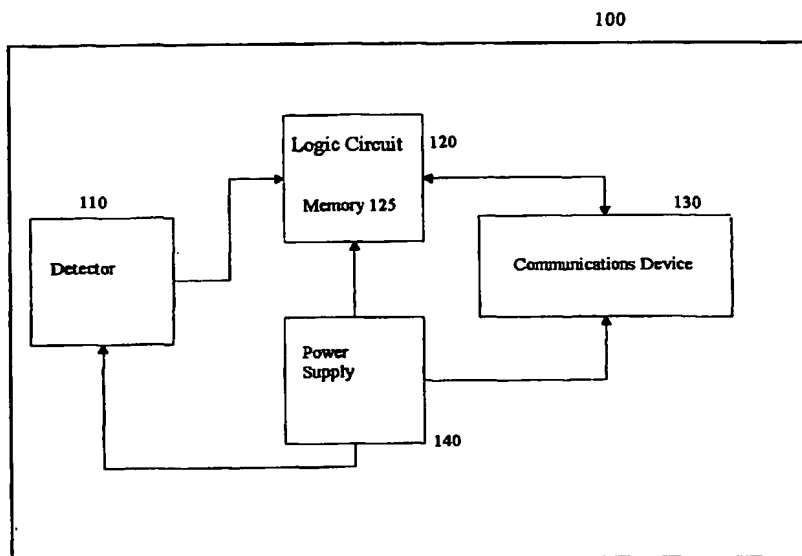
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(54) Title: SYSTEMS AND METHODS FOR GENERATING RANDOM NUMBERS FROM ASTONOMICAL EVENTS



(57) Abstract: The invention discloses systems and methods for generating pure random numbers from astronomical events, such as cosmic radiation or solar events. The invention includes a detector (110), a logic circuit (120), memory (125), power supply (140) and a communication device (130). The detector may be, for example, a solar wind particle detector, an alpha ray detector, a gamma ray detector, or the like. The memory stores data from the detector. The communication device transmits the data. In addition, the logic circuit applies predetermined mathematical rules to the collected data to generate pure random numbers suitable for use in games of chance, horoscopes, astrology, sound or light displays, or other activities. In addition, the logic circuit may encrypt these random numbers before the numbers are transmitted to a receiving device.

WO 2004/095199 A3



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 1/02

US CL : 708/255

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 708/255,254; 273/138.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,371,482 B1 (HALL) 16 April 2002, abstract	1, 2, 12-14 and 17
Y,P	US 6,697,829 B1 (SHILTON) 24 February 2004, abstract and column 5, lines 34-54	3-11,15 and 16
A	US 6,421,780 B2 (TICHENOR) 16 July 2002, abstract	1-17



Further documents are listed in the continuation of Box C.



See patent family annex.

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